

| | | |
|--|-------------------------------|-----------------------------|
| FORM PTO-1449 | ATTY DOCKET NO. SC&C-115US | SERIAL NUMBER 10/518,322 |
| LIST OF PATENTS AND PUBLICATIONS FOR APPLICANTS' INFORMATION STATEMENT | APPLICANT Alon SHALEV | EXAMINER D.L. Malamud |
| | FILING DATE July 8, 2005 | GROUP ART UNIT 3766) |

U.S. PATENT DOCUMENTS

| Examiner's Initials | DOCUMENT NO. | DATE | NAME | CLASS | SUB | FILING DATE |
|------------------------|--------------|------|------|-------|-----|----------------|
| AA | | | | | | |

FOREIGN PATENT DOCUMENTS

| DOCUMENT NO. | DATE | COUNTRY | CLASS | SUB | TRANS- LATION |
|--------------|------|---------|-------|-----|------------------|
| AB | | | | | |

OTHER ART (Including Author, Bills, Pertinent Pages, Etc.)

| | |
|----|---|
| AC | Hotta H et al., in an article entitled, "Effects of stimulating the nucleus basalis of Meynert on blood flow and delayed neuronal death following transient ischemia in rat cerebral cortex," Jap J Phys 52:383-393 (2002) |
| AD | Segher O et al., in an article entitled, "Spinal cord stimulation reducing infarct volume in model of focal cerebral ischemia in rats," J Neurosurg 99(1):131-137 (2003) |
| AE | Goadsby PJ et al., "Effect of stimulation of trigeminal ganglion on regional cerebral blood flow in cats," Am J Physiol 253:R270-R274 (1987) |
| AF | Matsui T et al., in an article entitled, "The effects of cervical spinal cord stimulation (cSCS) on experimental stroke," Pacing Clin Electrophysiol 12(4 Pt 2):726-32 (1989) |
| AG | Suzuki N et al., "Trigeminal fibre collaterals storing substance P and calcitonin gene-related peptide associate with ganglion cells containing choline acetyltransferase and vasoactive intestinal polypeptide in the sphenopalatine ganglion of the rat. An axon reflex modulating parasympathetic ganglionic activity?" Neuroscience 30:595-604 (1989) |
| AH | Walters BB et al., "Cerebrovascular projections from the sphenopalatine and otic ganglia to the middle cerebral artery of the cat," Stroke 17:488-494 (1986) |
| AI | Branston NM, "The physiology of the cerebrovascular parasympathetic innervation," British Journal of Neurosurgery 9:319-329 (1995). |
| AJ | Branston NM et al., "Contribution of cerebrovascular parasympathetic and sensory innervation to the short-term control of blood flow in rat cerebral cortex," J Cereb Blood Flow Metab 15(3):525-31 (1995) |

EXAMINER:

DATE CONSIDERED:

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

| | | |
|--|-------------------------------|-----------------------------|
| FORM PTO-1449 | ATTY DOCKET NO. SC&C-115US | SERIAL NUMBER 10/518,322 |
| LIST OF PATENTS AND PUBLICATIONS FOR APPLICANTS' INFORMATION STATEMENT | APPLICANT Alon SHALEV. | EXAMINER D.L. Malamud |
| | FILING DATE July 8, 2005 | GROUP ART UNIT 3766 |

U.S. PATENT DOCUMENTS

| Examiner's Initials | DOCUMENT NO. | DATE | NAME | CLASS | SUB | FILING DATE |
|------------------------|--------------|------|------|-------|-----|----------------|
| AA | | | | | | |

FOREIGN PATENT DOCUMENTS

| DOCUMENT NO. | DATE | COUNTRY | CLASS | SUB | TRANS- LATION |
|--------------|------|---------|-------|-----|------------------|
| AB | | | | | |

OTHER ART (Including Author, Bills, Pertinent Pages, Etc.)

| | |
|----|--|
| AC | Sun Y et al., "Neuronal nitric oxide synthase and ischemia-induced neurogenesis," J Cereb Blood Flow Metab 25(4):485-92 (2005) |
| AD | Zhang F et al., "Nitric oxide donors increase blood flow and reduce brain damage in focal ischemia: evidence that nitric oxide is beneficial in the early stages of cerebral ischemia," J Cereb Blood Flow Metab 14(2):217-26 (1994) |
| AE | Schmid-Elsaesser R et al., "A critical reevaluation of the intraluminal thread model of focal cerebral ischemia. Evidence of inadvertent premature reperfusion and subarachnoid hemorrhage in rats by laser-Doppler flowmetry," Stroke 29:2162-2170 (1998) |
| AF | Jolliet-Riant P, Tillement JP, "Drug transfer across the blood-brain barrier and improvement of brain delivery," Fundam. Clin. Pharmacol., 13, 16-25 (1999) |
| AG | Syelaz J, Hara H, Pinard E, Mraovitch S, MacKenzie ET, Edvinsson L, "Effects of stimulation of the sphenopalatine ganglion on cortical blood flow in the rat," Journal of Cerebral Blood Flow and Metabolism, 8, 875-878 (1988) |
| AH | Toda N et al., "Cerebral vasodilation induced by stimulation of the pterygopalatine ganglion and greater petrosal nerve in anesthetized monkeys," Neuroscience 96(2):393-398 (2000) |
| AI | Varghese et al., "Endoscopic transnasal neurolytic sphenopalatine ganglion block for head and neck cancer pain," J Laryngol Otol 115(5):385-7 (2001) |
| AJ | Roman GC, "Cholinergic dysfunction in vascular dementia," Curr Psychiatry Rep 7(1):18-26 (2005) |
| AK | Van Gijn J et al., "Subarachnoid haemorrhage: diagnosis, causes and management," Brain 124:249-278 (2001). |

EXAMINER:

DATE CONSIDERED:

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

| | | |
|--|-------------------------------|-----------------------------|
| FORM PTO-1449 | ATTY DOCKET NO. SC&C-115US | SERIAL NUMBER 10/518,322 |
| LIST OF PATENTS AND PUBLICATIONS FOR APPLICANTS' INFORMATION STATEMENT | APPLICANT Alon SHALEV | EXAMINER D.L. Malamud |
| | FILING DATE July 8, 2005 | GROUP ART UNIT 3766 |

U.S. PATENT DOCUMENTS

| Examiner's Initials | | DOCUMENT NO. | DATE | NAME | CLASS | SUB | FILING DATE |
|------------------------|----|--------------|------|------|-------|-----|----------------|
| | AA | | | | | | |

FOREIGN PATENT DOCUMENTS

| | | DOCUMENT NO. | DATE | COUNTRY | CLASS | SUB | TRAN- SLATION |
|--|----|--------------|------|---------|-------|-----|------------------|
| | AB | | | | | | |

OTHER ART (Including Author, Bills, Pertinent Pages, Etc.)

| | | |
|--|----|---|
| | AC | Davis SM et al., "Advances in penumbra imaging with MR," Cerebrovasc Dis 17 Suppl 3:23-7 (2004) |
| | AD | Zausinger VS et al., "Neurological impairment in rats after transient middle cerebral artery occlusion: a comparative study under various treatment paradigms," Brain Research 863(1-2):94-105 (2000) |
| | AE | Phan TG et al., "Salvaging the ischaemic penumbra: more than just reperfusion?" Clin Exp Pharmacol Physiol 29(1-2):1-10 (2002) |
| | AF | Zhang ZG et al., "VEGF enhances angiogenesis and promotes blood-brain barrier leakage in the ischemic brain," J Clin Invest 106:829-838 (2000) |
| | AG | Kawamata T et al., "Intracisternal basic fibroblast growth factor (bFGF) enhances behavioral recovery following focal cerebral infarction in the rat," J Cereb Blood Flow Metab 16:542-547 (1996) |
| | AH | Ziche M et al., "Nitric oxide and angiogenesis," J Neurooncol 50:139-148 (2000) |
| | AI | Zhang R et al., "A nitric oxide donor induces neurogenesis and reduces functional deficits after stroke in rats," Ann Neurol 50:602-611 (2001) |
| | AJ | de la Torre JC, "Vascular basis of Alzheimer's pathogenesis," Ann NY Acad Sci 977:196-215 (2002) |
| | AK | Hunter AJ et al., "To what extent have functional studies of ischemia in animals been useful in the assessment of potential neuroprotective agents?" Trends Pharmacol Sci 19:59-66 (1998) |

EXAMINER:

DATE CONSIDERED:

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

| | | |
|--|-------------------------------|-----------------------------|
| FORM PTO-1449 | ATTY DOCKET NO. SC&C-115US | SERIAL NUMBER 10/518,322 |
| LIST OF PATENTS AND PUBLICATIONS FOR APPLICANTS' INFORMATION STATEMENT | APPLICANT Alon SHALEV | EXAMINER D.L. Malamud |
| | FILING DATE July 8, 2005 | GROUP ART UNIT 3766 |

U.S. PATENT DOCUMENTS

| Examiner's Initials | DOCUMENT NO. | DATE | NAME | CLASS | SUB | FILING DATE |
|------------------------|--------------|------|------|-------|-----|----------------|
| AA | | | | | | |

FOREIGN PATENT DOCUMENTS

| | DOCUMENT NO. | DATE | COUNTRY | CLASS | SUB | TRANS- LATION |
|----|--------------|------|---------|-------|-----|------------------|
| AB | | | | | | |

OTHER ART (Including Author, Bills, Pertinent Pages, Etc.)

| | |
|----|---|
| AC | Kanner AA et al., "Serum S100beta: a noninvasive marker of blood-brain barrier function and brain lesions," <i>Cancer</i> 97(11):2806-13 (2003). |
| AD | Lee, JFL, "Nitric oxide and the cerebral vascular function," <i>J Biomed Sci</i> 7:16-26 (2000) |
| AE | Sandgren K et al., "Vasoactive intestinal peptide and nitric oxide promote survival of adult rat myenteric neurons in culture," <i>J Neurosci Res</i> 72(5):595-602 (2003) |
| AF | Laude K et al., "NO produced by endothelial NO synthase is a mediator of delayed preconditioning-induced endothelial protection," <i>Am J Physiol Heart Circ Physiol</i> 284(6):H2053-60 (2003) (Epub 2003 Jan 9) |
| AG | Khan M et al., "S-Nitrosoglutathione reduces inflammation and protects brain against focal cerebral ischemia in a rat model of experimental stroke," <i>J Cereb Blood Flow Metab</i> 25(2):177-92 (2005) |
| AH | Pluta RM, "Delayed cerebral vasospasm and nitric oxide: review, new hypothesis, and proposed treatment," <i>Pharmacol Ther</i> 105(1):23-56 (2005) |
| AI | Reis DJ et al., "Electrical stimulation of cerebellar fastigial nucleus reduces ischemic infarction elicited by middle cerebral artery occlusion in rat," <i>J Cereb Blood Flow Metab</i> 11(5):810-8 (1991) |
| AJ | Nollet H et al., "Transcranial magnetic stimulation: review of the technique, basic principles and applications," <i>The Veterinary Journal</i> 166:28-42 (2003) |
| AK | Devoghel JC, "Cluster headache and sphenopalatine block," <i>Acta Anaesthesiol Belg.</i> , 32(1):101-7 (1981) – an abstract. |

EXAMINER:

DATE CONSIDERED:

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

| | | |
|--|-------------------------------|-----------------------------|
| FORM PTO-1449 | ATTY DOCKET NO. SC&C-115US | SERIAL NUMBER 10/518,322 |
| LIST OF PATENTS AND PUBLICATIONS FOR APPLICANTS' INFORMATION STATEMENT | APPLICANT Alon SHALEV | EXAMINER D.L. Malamud |
| | FILING DATE July 8, 2005 | GROUP ART UNIT 3766 |

U.S. PATENT DOCUMENTS

| Examiner's Initials | | DOCUMENT NO. | DATE | NAME | CLASS | SUB | FILING DATE |
|------------------------|----|--------------|------|------|-------|-----|----------------|
| | AA | | | | | | |

FOREIGN PATENT DOCUMENTS

| | | DOCUMENT NO. | DATE | COUNTRY | CLASS | SUB | TRANS- LATION |
|--|----|--------------|------|---------|-------|-----|------------------|
| | AB | | | | | | |

OTHER ART (Including Author, Bills, Pertinent Pages, Etc.)

| | | |
|--|----|---|
| | AC | Delephine, et al., "Plasma Protein Extravasation Induced in the Rat Dura Mater by Stimulation of the Parasympathetic Sphenopalatine Ganglion", Experimental Neurology, 147, 389-400, 1997. |
| | AD | Hara et al., "Parasympathetic Cerebrovascular Innervation: An Anterograde Tracing from the Sphenopalatine Ganglion in the Rat", Neurosurgery, 32, 822-827, 1993. |
| | AE | G.L. Ruskell, "The Orbital Branches of the Pterygopalatine Ganglion and their Relationship with Internal Carotid Nerve Branches in Primates", J. Anat. 1970, 106, 2, pp. 323-339. |
| | AF | Kroll RA, Neuwelt EA, "Outwitting the Blood Brain Barrier for Therapeutic Purposes: Osmotic Opening and Other Means", Neurosurgery, 42, 1083-1100, 1998. |
| | AG | Sanders M, et al., "Efficacy of Sphenopalatine Ganglion Blockade in 66 Patients Suffering from Cluster Headache: A 12-70 Month Follow-Up Evaluation", Journal of Neurosurgery, 87, 876-880, 1997. |
| | AH | Suzuki, N. et al., "Selective Electrical Stimulation of postganglionic Cerebrovascular Parasympathetic Nerve Fibers Originating from the Sphenopalatine Ganglion Enhances Cortical Blood Flow in the Rat", Journal of Cerebral Blood Flow and Metabolism, 10, 383-391 (1990). |
| | AI | Samad TA et al., in an article entitled, "Interleukin-1beta-mediated induction of Cox-2 in the CNS contributes to inflammatory pain hypersensitivity," in Nature 410(6827):471-5 (2001). |

EXAMINER:

DATE CONSIDERED:

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

| | | |
|--|-------------------------------|-----------------------------|
| FORM PTO-1449 | ATTY DOCKET NO. SC&C-115US | SERIAL NUMBER 10/518,322 |
| LIST OF PATENTS AND PUBLICATIONS FOR APPLICANTS' INFORMATION STATEMENT | APPLICANT Alon SHALEV | EXAMINER D.L. Malamud |
| | FILING DATE July 8, 2005 | GROUP ART UNIT 3766 |

U.S. PATENT DOCUMENTS

| Examiner's Initials | | DOCUMENT NO. | DATE | NAME | CLASS | SUB | FILING DATE |
|------------------------|----|--------------|------|------|-------|-----|----------------|
| | AA | | | | | | |

FOREIGN PATENT DOCUMENTS

| | | DOCUMENT NO. | DATE | COUNTRY | CLASS | SUB | TRANS- LATION |
|--|----|--------------|------|---------|-------|-----|------------------|
| | AB | | | | | | |

OTHER ART (Including Author, Bills, Pertinent Pages, Etc.)

| | | |
|--|----|--|
| | AC | Van de WaterBeernd, et al., "Estimation of Blood Brain Barrier Crossing of Drugs Using Molecular Size and Shape and H bonding Descriptors", Journal of Drug Targeting, 6, 151-165, 1998. |
| | AD | Ronald F. Young, "Electrical Stimulation of the Trigeminal nerve root for the Treatment of Chronic Facial Pain", J Neurosurg 83:72-78, 1995. |
| | AE | N. Suzuki, et al, "Origins and Pathways of Cerebrovascular Vasoactive Intestinal Polypeptide-Positive Nerves in Rat", J Cereb Blood Flow Metab. Vol. 8 No. 5, 1988. |
| | AF | Zhang, R. et al., "Nitric Oxide Enhances Angiogenesis via the Synthesis of Vascular Endothelial Growth Factor and cGMP After Stroke in the Rat", Circ. Res. 2003; 92; 308-313 |
| | AG | |
| | AH | |
| | AI | |
| | AJ | |
| | AK | |
| EXAMINER: | | DATE CONSIDERED: |
| EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. | | |